

Converting Colors

XYZ(38.3415, 45.4107, 27.9709)

Have a look what the booklet for
XYZ(38.3415, 45.4107, 27.9709)
contains.

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Color

**XYZ(38.3828, 45.3874,
27.8568)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBA82
RGB	171, 186, 130
RGB Percent	67%, 73%, 51%
CMY	0.3294, 0.2706, 0.4902
CMYK	0.08, 0.00, 0.30, 0.27
HSL	76°, 29%, 62%
HSV	76°, 30%, 73%
XYZ	38.3828, 45.3874, 27.8568
YIQ	175.1310, 9.0360, -20.5960

Conversions

Conversions Part 2

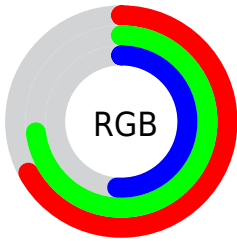
Format	Color
RYB	130, 186, 145
Decimal	11254402
CIELab	73.15, -14.68, 26.73
CIELCh	73, 30.498, 118.765
Yxy	45.3874, 0.3438, 0.4066
Android (android.graphics.Color)	4289444482 (0xFFABBA82)
YUV	175.1310, -22.2496, -3.6229
Hunter-Lab	67.3702, -16.2010, 22.6434

Details

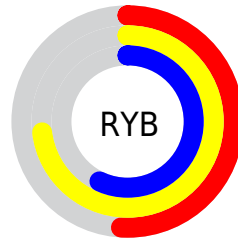
The XYZ color **38.3828, 45.3874, 27.8568** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.5243, 25.5314, 49.8815**, and the grayscale version is **40.9247, 43.0560, 46.8880**.

A 20% lighter version of the original color is **71.9779, 83.2541, 57.0757**, and **17.3067, 21.2058, 10.7704** is the 20% darker color. If you saturate the color by 10%, you get **36.1808, 44.3851, 21.8154**, and if you desaturate by 10%, it is **40.8538, 46.5051, 35.0908**.

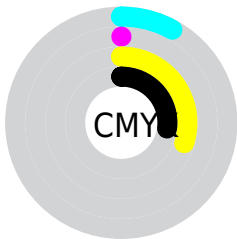
Distribution



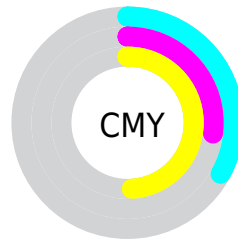
- Red (67%)
- Green (73%)
- Blue (51%)



- Red (51%)
- Yellow (73%)
- Blue (57%)



- Cyan (8%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)



- Cyan (33%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3828, 45.3874, 27.8568 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.3828, 45.3874, 27.8568 by changing the saturation by 10% instead.

■ 38.3828, 45.3874,
27.8568

■ 38.3828, 45.3874,
27.8568

330.5118,
368.3403, 305.6724

■ 26.4585, 31.7627,
17.9796

■ 71.9946, 83.3014,
57.2761

■ 17.3014, 21.1803,
10.7661

■ 94.4128, 108.3596,
77.6553

■ 10.5463, 13.2559,
5.7976

■ 121.0597,
137.9976, 102.3722

■ 5.8277, 7.6050,
2.6556

152.3006,
172.5999, 131.8455

■ 2.7802, 3.8432,
0.9210

188.5010,
212.5510, 166.4936

■ 1.0386, 1.5863,
0.0000

230.0260,

■ 0.0000, 0.3483,

258.2351, 206.7351

0.0000

277.2412,
310.0367, 252.9885

0.0000, 0.0000,
0.0000

38.3828, 45.3874,
27.8568

38.3828, 45.3874,
27.8568

36.1808, 44.3851,
21.8154

40.8538, 46.5051,
35.0908

34.2316, 43.4871,
16.8994

43.6020, 47.7370,
43.5737

32.5228, 42.6898,
13.0399


46.6395, 49.0894,
53.3618


31.0389, 41.9871,
10.1587


49.9766, 50.5665,
64.5072


29.7628, 41.3719,
8.1672


53.6230, 52.1722,
77.0590


 28.6740, 40.8362,
6.9604

 57.5881, 53.9104,
91.0639

 27.7411, 40.3683,
6.3297

 61.0311, 55.4448,
102.0930

 62.4356, 56.1689,
102.1587

 63.8844, 56.9157,
102.2265

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3612, 45.3874, 25.4568



38.3828, 45.3874, 27.8568



34.9390, 45.3874, 35.6802

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.3828, 45.3874, 27.8568



38.0291, 45.3874, 79.0817



54.2453, 45.3874, 50.0561

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.3828, 45.3874, 27.8568



28.5243, 25.5314, 49.8815

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.5318, 45.3874, 66.2974



38.3828, 45.3874, 27.8568



42.9183, 45.3874, 85.0505

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.3828, 45.3874, 27.8568



34.7470, 45.3874, 64.9701



48.2735, 45.3874, 79.9526



52.7847, 45.3874, 36.5716

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.3828, 45.3874, 27.8568



33.8283, 45.3874, 43.9061



48.2735, 45.3874, 79.9526



54.0190, 45.3874, 55.3754

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.3840, 45.3894, 27.8578



79.5322, 86.7472, 80.5734



34.3958, 32.2826, 25.5381



17.3450, 19.0275, 17.2084



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.3840, 45.3894, 27.8578



66.9253, 81.0634, 43.1474



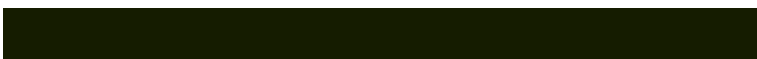
32.9289, 42.5772, 27.6025



9.5091, 10.3791, 9.6091



18.7365, 27.1953, 4.2617



0.7159, 0.9873, 0.1528

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.5243, 25.5314, 49.8815



46.2457, 39.3947, 89.3679



34.0660, 28.3882, 50.1408



8.7408, 8.8327, 11.3236



6.9043, 2.8705, 31.4432



0.3043, 0.1326, 1.1113

Previews

White Background



This preview shows how the XYZ color 38.3828, 45.3874, 27.8568 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.3828, 45.3874, 27.8568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

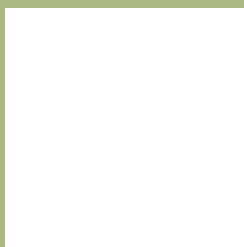
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3828, 45.3874, 27.8568

Background



This preview shows how black text looks on a background with the XYZ color 38.3828, 45.3874, 27.8568.



This preview shows how white text looks on a background with the XYZ color 38.3828, 45.3874,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.3828, 45.3874, 27.8568

Protanopia

41.9432, 45.1100, 26.5751

Deuteranopia

46.1375, 45.1956, 28.4822



Tritanopia

44.0252, 45.2303, 56.2791

Trichromacy



Original Color

38.3828, 45.3874, 27.8568

Protanomaly

40.6318, 45.3287, 27.0299

Deuteranomaly

42.9130, 44.9805, 28.2502

Tritanomaly

41.5898, 45.1424, 44.0575

Monochromacy



Original Color

38.3828, 45.3874, 27.8568

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.8337, 43.7421, 39.1445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3828, 45.3874, 27.8568 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(171, 186, 130)` looks like.

```
.text, #text, p{  
    color:rgb(171, 186, 130)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(171, 186, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 186, 130) }
```

Border

The CSS property to change the border of an element to XYZ 38.3828, 45.3874, 27.8568 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 186, 130) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(171, 186, 130) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(171, 186, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 186, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 186, 130);  
box-shadow:4px 4px 4px 4px rgb(171, 186,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3828, 45.3874, 27.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 186, 130) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(171,  
186, 130) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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